



Standards *Actions*



Technical Standards Program Document Status (4/28/2000)

Activity Summary

In Conversion – 4

In Preparation – 32

Out for Comment – 17

Published this Month – 1

5-year Reviews

In Revision – 3

In Reaffirmation – 1

To be Superseded – 6

Cancellations Pending – 9

Cancellations in Progress – 1

No Current Action – 12

DOE Technical Standards Project Canceled

The following DOE Technical Standards project was recently canceled.

If you have any questions about this action, please contact the person listed below.

- *Equipment Qualification Program for DOE-Owned Nuclear Facilities and Operations*, Project Number FACR-0012; Samuel Rosenbloom, EH-31; 301-903-5749, Fax 301-903-8693, Samuel.Rosenbloom@eh.doe.gov. The need for this document no longer exists.

DOE Technical Standards Recently Published

The following DOE Technical Standard has recently been published:

- DOE-STD-1063-2000, *Facility Representatives*, March 2000. This document updates and supersedes DOE-STD-1063-97, October 1997.

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; 1-800-473-4375, Fax 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; 703-605-6000, Fax 703-605-6900.

Copies of DOE Technical Standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) are also available on the TSP Web Site at the address shown at the bottom of this page. The following document was recently posted on the TSP Web Site.

- DOE-HDBK-3010-94, *Airborne Release Fractions/Rates and Respirable Fractions for Nonreactor Nuclear Facilities Volume 1 - Analysis of Experimental Data*, December 1994, Change Notice No. 1, March 2000.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Recent electronic copies (no hardcopies are produced) are available on the ANSI Web site at http://web.ansi.org/rooms/room_14/. Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Susan Bose at 212-642-4948, e-mail sbose@ansi.org.

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112, 800-854-7179, Fax 303-397-2740, global@ihs.com, <http://global.ihs.com>. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for commenting on the same may be obtained by contacting the standards developing organization.



Visit the Technical Standards Program Web Site: <http://tis.eh.doe.gov/techstds/>

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a more extensive listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web site, <http://www.ansi.org>, or through the National Standards System Network, <http://www.nssn.org>.

The following American National Standards are currently in coordination (comment due dates follow each entry):

- ASHRAE 133P, *Method of Testing Direct Evaporative Air Coolers* (new standard) - June 6, 2000.
- ASHRAE 140P, *Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs* (new standard) - June 6, 2000.
- ASME A112.6.4, *Roof, Deck, and Balcony Drains* (new standard) - June 20, 2000.
- ASME ISO 3977-1, *Gas Turbines - Procurement - Part 1: General Introduction and Definitions* (new standard) - June 6, 2000.
- AWS B5.16-200X, *Specification for the Qualification of Welding Engineers* (new standard) - June 6, 2000.
- AWS B5.17-200X, *Specification for the Qualification of Welding Fabricators* (new standard) - June 6, 2000.
- IEEE C62.62-2000, *Test Specifications for Surge-Protective Devices for Low Voltage AC Power Circuits* (new standard) - June 6, 2000.
- ISA S77.44.02, *Fossil Fuel Power Plant Steam Temperature Control System - Once-Through Type* (new standard) - June 20, 2000.
- UL 508C-2000, *Standard for Safety for Power Conversion Equipment* (revision of ANSI/UL 508C-2000) - June 6, 2000.
- UL 935, *Standard for Safety for Fluorescent-Lamp Ballasts* (revision of ANSI/UL 935-1992) - June 20, 2000.

The following American National Standards have been approved for publication: (Publication is to take place within six months following the date shown. Publication status and ordering information may be obtained from ANSI's Customer Service at 212-642-4900.)

- ANSI C50.41-2000, *Polyphase Induction Motors for Power Generating Stations* (new standard) - March 30, 2000.
- ANSI/ANS 1-2000, *Nuclear Safety - Critical Experiments, Safety Guide for the Performance of* [revision of ANSI/ANS 1-1987 (R1992)] - March 23, 2000.
- ANSI/EIA 364-22B-2000, *Life Test Procedure for Electrical Connectors and Sockets* (new standard) - March 10, 2000.
- ANSI/EIA 364-107-2000, *Eye Pattern and Jitter Test Procedure for Electrical Connectors, Sockets, Cable Assemblies or Interconnection Systems* (new standard) - March 10, 2000.

- ANSI/HI 9.6.4-2000, *Centrifugal and Vertical Pumps for Vibration Measurement and Allowable Values* (new standard) - March 23, 2000.
- ANSI/ISA S77.42.01-1999, *Fossil Fuel Plant Feedwater Control System - Drum Type* (new standard) - March 7, 2000.
- ANSI/NFPA 1-2000, *Fire Prevention Code* (revision of ANSI/NFPA 1-1997) - February 11, 2000.
- ANSI/NFPA 12-2000, *Standard on Carbon Dioxide Extinguishing Systems* (revision of ANSI/NFPA 12-1998) - February 11, 2000.
- ANSI/NFPA 286-2000, *Standard Methods of Test for Evaluating Room Fire Growth Contribution of Wall and Ceiling Interior Finish* (new standard) - February 11, 2000.
- ANSI/NFPA 850-2000, *Recommended Practice for Fire Protection for Electric Generating Plants and High Voltage Direct Current Converter Stations* (revision of ANSI/NFPA 850-1996) - February 11, 2000.
- ANSI/NFPA 1006-2000, *Standard for Rescue Technician Professional Qualifications* (new standard) - February 11, 2000.
- ANSI/NFPA 1250-2000, *Recommended Practice in Emergency Service Organization Risk Management* (new standard) - February 11, 2000.
- ANSI/UL 80-2000, *Standard for Safety for Steel Tanks for Oil-Burner Fuel* (revision of ANSI/UL 80-1992) - March 15, 2000.

The following international standards are currently in coordination (comment due dates follow each entry):

- ISO/DIS 14152, *Neutron radiation protection shielding - Design principles and considerations for the choice of appropriate materials* - July 8, 2000.
- ISO/DIS 15649, *Petroleum and natural gas industries - Piping systems - General requirements* - July 8, 2000.
- ISO/DIS 15663-2, *Petroleum and natural gas industries - Life cycle costing - Part 2: Guidance on application of methodology and calculation methods* - July 8, 2000.
- ISO/DIS 15970, *Natural gas - Measurement of properties - Volumetric properties: density, pressure, temperature and compression factor* - June 17, 2000.
- ISO/DIS 15971-1, *Natural gas - Measurement of properties - Combustion properties - Part 1: Calorific value* - June 17, 2000.
- prEN 54-5 REVIEW, *Fire detection and fire alarm systems - Part 5: Heat detectors - Point detectors* (for information).
- prEN 1032 REVIEW, *Mechanical vibration - Testing of mobile machinery in order to determine the vibration emission value* - August 9, 2000.
- prEN 1916, *Concrete pipes and fittings, unreinforced, steel fibre and reinforced* - June 9, 2000.
- prEN 12310-2, *Flexible sheets for waterproofing - Determination of resistance to tearing (nail shank) - Part 2: Plastic and rubber sheets for roof waterproofing* (for information).

- prEN 12667, *Thermal performance building materials and products - Determination of thermal resistance by means of guarded hot plate and heat flow meter methods - Products of high and medium thermal resistance* (for information).
- prEN 13836, *Gas-fired central heating boilers - Type B boilers of nominal heat input exceeding 300 KW, but not exceeding 1000 KW* - July 10, 2000.
- prEN 50117-1, *Coaxial cables Part 1: Generic specification* - July 13, 2000.
- prEN 50117-2, *Coaxial cables Part 2-1: Sectional specification for cables used in cabled distribution networks - Indoor drop cables for systems operating at 5 MHz - 1000 MHz* - July 13, 2000.
- prEN 50172, *Emergency escape lighting systems* (for information).
- prEN/ISO 13793, *Thermal performance of buildings - Thermal design of foundations to avoid frost heave* (ISO/FDIS 13793:2000) (for information).

The following newly published international standards are available:

- IEC 60076-3:2000, *Power transformers - Part 3: Insulation levels, dielectric tests and external clearances in air*.
- IEC 60099-5 (2000-03) Consolidated Edition 1.1 (incl. am1) - *Surge arresters - Part 5: Selection and application recommendations*.
- IEC 60974-1-am1:2000, *Arc welding equipment - Part 1: Welding power sources*.
- IEC 61468:2000, *Nuclear power plants - In-core instrumentation - Characteristics and test methods of self-powered neutron detectors*.
- ISO 10816-5:2000, *Mechanical vibration - Evaluation of machine vibration by measurements on non-rotating parts - Part 5: Machine sets in hydraulic power generating and pumping plants*.

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Petroleum Institute

Office: 1220 L Street, NW
Washington, DC 20005-4070

Fax: 202-682-8051

Contact: David Soffrin, soffrind@api.org

- API 545, *First Edition, Lightning Protection for Storage Tanks* (new standard).
- API 2015, *Safe Entry and Cleaning of Petroleum Storage Tanks* (new standard).

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

Office: 1791 Tullie Circle, N.E.
Atlanta, GA 30329

Fax: 404-321-5478

Contact: Claire Ramspeck, cramspeck@ashrae.org

- ASHRAE 171P, *Method of Test of Seismic Restraint Devices for HVAC&R Equipment* (new standard).

Institute of Nuclear Materials Management

Office: 109 Caldwell Drive
Oak Ridge, TN 37830

Fax: 865-482-9580

Contact: John Arendt, jwarendt@aol.com

- N14.1, *Uranium Hexafluoride—Packaging for Transport* (revision of ANSI N14.1-1995).

National Electrical Contractors Association

Office: 3 Bethesda Metro Center, Suite 1100
Bethesda, MD 20814

Fax: 301-215-4500

Contact: Brooke Stauffer, brooke@necanet.org

- NECA/BICSI 568, *Installing Commercial Building Telecommunications Cabling* (new standard).

National Fire Protection Association

Office: One Batterymarch Park
Quincy, MA 02269-9101

Fax: 617-770-3500

Contact: Arthur E. Cote, acote@nfpa.org

- NFPA 5000, *NFPA Building Code* (new standard).

Underwriters Laboratories, Inc.

Office: 12 Laboratory Drive
Research Triangle Park, NC 27709-3995

Fax: 919-547-6181

Contact: Paul Lloret, lloret@ul.com

- UL 2085, *Standard for Safety for Insulated Aboveground Tanks for Flammable and Combustible Liquids* (revision of ANSI/UL 2085-1999).

Office: 333 Pfingsten Road
Northbrook, IL 60004

Fax: 847-509-6217

Contact: Mitchell Gold, Mitchell.Gold@us.ul.com

- UL 142, *Standard for Safety for Steel Aboveground Tanks for Flammable and Combustible Liquids* (new standard).

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (Fax 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (Fax 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division

at 610-832-9672 (Fax 610-832-9666). Additional information on ASTM activities is available on the ASTM Web site (<http://www.astm.org>). The following listings are extracted from ASTM Standardization News and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination: (the due date for all items is May 10, 2000).

- New Standard, *Specification for Steel, Sheet, Cold-Rolled, Carbon, and Structural, High-Strength, Low-Alloy, and High-Strength, Low-Alloy with Improved Formability* (Ref. Z7281Z).
- New Standard, *Method for Distortion Temperature in Three-Point Bending by Thermomechanical Analysis* (Ref. Z7464Z).
- New Standard, *Specification for Manufacture of Precast Reinforced Concrete Three-Sided Structures for Culverts, Storm Drains, and Sewers* (Ref. Z7540Z).
- New Standard, *Guide for Committee D01 for Conducting an Interlaboratory Study and Determining the Precision of a Test Method* (Ref. Z7871Z).
- New Standard, *Practice for Assessment of Attaining Clean-Up Level for Site Closure* (Ref. Z7924Z).
- New Standard, *Guide for Plane Strain Fracture Toughness Testing of Non-Stress Relieved Aluminum Products* (Ref. Z8082Z).
- New Standard, *Specification for Installation of Molded Glass Fiber Reinforced Gypsum Parts* (Ref. Z8086Z).
- New Standard, *Practice for In Situ Examination of Ferromagnetic Heat Exchanger Tubes Using Remote Field Testing* (Ref. Z8163Z).
- New Standard, *Guide for Sampling Wastewater with Automatic Samplers* (Ref. Z8237Z).
- New Standard, *Test Method for Rubber Property—Determination of Rebound Resilience* (Ref. Z8368Z).
- B 234-95, *Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers* (revised standard).
- B 353-95, *Specification for Wrought Zirconium and Zirconium Alloy Seamless and Welded Tubes for Nuclear Service (Except Nuclear Fuel Cladding)* (revised standard).
- D 3771-85(1995), *Specification for Rubber Seals Used in Concentrating Solar Collectors* (revised standard).
- D 3903-85(1997), *Specification for Rubber Seals Used in Air-Heat Transport of Solar Energy Systems* (revised standard).
- D 5144-97, *Guide for Use of Protective Coating Standards in Nuclear Power Plants* (revised standard).
- E 8-00, *Test Methods for Tension Testing of Metallic Materials* (revised standard).
- E 178-94, *Practice for Dealing with Outlying Observations* (revised standard).
- E 344-99, *Terminology Relating to Thermometry and Hydrometry* (revised standard).

- E 1316-99a, *Terminology for Nondestructive Examinations* (revised standard).
- E 1457-98, *Test Method for Measurement of Creep Crack Growth Rates in Metals* (revised standard).

The following newly published standards are available from ASTM:

- A 479/A 479M-99a, *Specification for Stainless Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels* (revised standard).
- A 941-99b, *Terminology Relating to Steel, Stainless Steel, Related Alloys, and Ferroalloys* (revised standard).
- A 1002-99, *Specification for Castings, Nickel-Aluminum Ordered Alloy* (new standard).
- C 332-99, *Specification for Lightweight Aggregates for Insulating Concrete* (revised standard).
- C 1445-99, *Test Method for Measuring Consistency of Castable Refractory Using a Flow Table* (new standard).
- C 1448-99, *Specification for Non-Asbestos Fiber-Cement Conduit* (new standard).
- D 6102-97, *Guide for Installation of Geosynthetic Clay Liners* (new standard).
- D 6468-99, *Test Method for High Temperature Stability of Distillate Fuels* (new standard).
- E 108-99, *Test Methods for Fire Tests of Roof Coverings* (revised standard).
- E 135-99, *Terminology Relating to Analytical Chemistry for Metals, Ores, and Related Materials* (revised standard).

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-31, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, Fax 301-903-6172, e-mail Richard.Serbu@eh.doe.gov.

Addresses: *Standards Actions* and *The Standards Forum* are now being published electronically and will be available only via your access to the TSP Web Site (<http://tis.eh.doe.gov/techstds/>). However, we would like to maintain both our e-mail and surface mail distribution lists so that we can send you special notices concerning technical standards and the DOE Technical Standards Program. Although we may currently have your surface mail address, we have e-mail addresses for only a few of you. We are requesting that those of you who are interested in receiving special notices please contact Marty Marchbanks, ORNL, 865-241-3658, Fax 865-574-0382, mmf@ornl.gov, and give him your updated e-mail and surface mail addresses.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 865-574-7886, e-mail lj8@ornl.gov.